IN THE SPECIFICATION:

Please insert the following after line 2 on page 1:

BACKGROUND OF THE INVENTION

Please replace the paragraph on page 1, line 5 with the following:

~~Technical Field~~   1.   Field of the Invention

Please replace the paragraph beginning on page 1, line 13 with the following amended paragraph:

~~Background Technique~~   2.   Description of the Related Art

Please replace the paragraph beginning on page 4, line 22 with the following amended paragraph:

~~Disclosure of Invention~~   Summary of the Invention

Please replace the paragraph beginning on page 6, line 21 with the following amended paragraph:

Also, it is preferable that the windings ~~includes~~ include a first group of three-phase windings and a second group of three-phase windings, windings having the same phase of the first and second groups of three-phase windings are adjacent to each other in the same rotation direction, the first

group of three-phase windings include a first set of three-phase windings and a second set of three-phase windings, the first set of three-phase windings and the second set of three-phase windings are arranged to be approximately geometrically symmetrical with respect to a line, the second group of three-phase windings include another first set of three-phase windings and another second set three-phase windings, and the other first set three-phase windings and the other second set of three-phase windings are arranged to be approximately geometrically symmetrical with respect to a line.

Please replace the paragraph beginning on page 7, line 14 with the following amended paragraph:

It is preferable that the number of the windings is N, the number of the permanent magnets is P, and [[the]] that P is greater than the N.

Please replace the paragraph beginning on page 7, line 20 with the following amended paragraph:

It is also preferable that the prime factor of [[the]] N [[has]] is 2 and 3, and the prime factor of [[the]] P [[has]] is 2 and 7.

Please replace the paragraph beginning on page 7, line 23 with the following amended paragraph:

Also, [[the]] P ~~preferable~~ <u>preferably</u> satisfies the following equation:

$$12 \leq P \leq 30.$$

Please replace the paragraph beginning on page 7, line 26 with the following amended paragraph:

Preferably, [[the]] N is 12, and [[the]] P is 14.

Please replace the paragraph beginning on page 10, line 16 with the following amended paragraph:

~~Preferred Embodiments to Attain Invention~~ <u>Detailed Description of the Preferred Embodiments</u>

Please replace the paragraph beginning on page 10, line 18 with the following amended paragraph:

A brushless motor in the first embodiment is a brushless DC motor driven by a three-phase pulse direct current. The brushless motor has a rotor 1 shown in Fig. 2. The rotor 1 is constituted by a magnetic force line inducing material for inducing a magnetic force line, such as silicon steel or electro-magnetic steel. A [[14]] <u>14-pole</u> permanent magnet 2 is embedded in the rotor 1. The 14-pole permanent magnet 2 corresponds to 14 permanent magnets. The 14 permanent magnets 2 are inserted and placed in 14 pillar holes 4 opened through the rotor 1 in an axis direction. The pillar holes 4 are trapezoidal on a section orthogonal to the axis. One rectangular bar magnet is pressed

to be place in each of the pillar holes 4. A magnetic force line, which is oriented from a South pole

to a North pole in each of the permanent magnets 2, is oriented in the axis direction. The directions

of the magnetic force lines generated by the two magnets adjacent to each other are opposite to each

other. The 14 permanent magnets 2 are arrayed at the same angle interval (=360°/14) on the same

circumference. The magnetic force lines, generated by the 14 magnets arrayed in the circumference

direction as mentioned above, are generated by the synthesis of the magnetic force line oriented in

the circumference direction and the magnetic force line oriented in the axis direction.

Please replace the paragraph beginning on page 15, line 9 with the following amended paragraph:

The 14 permanent magnets 2_1-2_{14} are embedded in the rotor 1 and thus the density of

magnetic force lines closed by a magnetic route in the rotor 1 is higher than that of the known motor

in Fig. 1. Such a difference causes the values of and to be further targetless, which results in the

positive establishment of the following equation:

$$L_q > L_d, \qquad\qquad (4)$$

Please replace the paragraph beginning on page 16, line 17 with the following amended paragraph:

(2) The number of ~~the slot~~ <u>slots</u> is reduced, and the productivity efficiency is high.